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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Jean-Marc Gery

Attorney Docket No.:  
NIKOP029/PAO441

Patent: 6,879,127 B2

Issued: April 12, 2005

Title: 3-RING MAGNETIC ANTI-GRAVITY  
SUPPORT

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on June 10, 2005 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: \_\_\_\_\_

Aurelia M. Sanchez

**REQUEST FOR CERTIFICATE OF CORRECTION  
OF OFFICE MISTAKE  
(35 U.S.C. §254, 37 CFR §1.322)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Attn: Certificate of Correction

**Certificate  
JUN 15 2005  
of Correction**

Dear Sir:

Attached is Form PTO-1050 (Certificate of Correction) at least one copy of which is suitable for printing. The errors together with the exact page and line number where the errors are shown correctly in the application file are as follows:

**CLAIMS:**

1. In line 8 of claim 1 (column 9, line 21) change "coupled w" to --coupled to--.  
This appears correctly in Amendment B as filed on November 8, 2004, on page 2, paragraph 2, line 6, as claim 5.
2. In line 19 of claim 3 (column 9, line 63) change "baa a third" to --has a third--.  
This appears correctly in Amendment B as filed on November 8, 2004, on page 3, paragraph 1, line 4, as claim 8.

**JUN 16 2005**

3. In lines 23-24 of claim 11 (column 11, line 4) delete “, wherein the third group of at least one magnetic”. This appears correctly in Amendment B as filed on November 8, 2004, on page 5, paragraph 1, as claim 21.

4. In line 9 of claim 19 (column 11, line 54) change “of die first” to --of the first--. This appears correctly in Amendment B as filed on November 8, 2004, on page 6, paragraph 2, line 6, as claim 32.

Patentee hereby requests expedited issuance of the Certificate of Correction because the error lies with the Office and because the error is clearly disclosed in the records of the Office. As required for expedited issuance, enclosed is documentation that unequivocally supports the patentee’s assertion without needing reference to the patent file wrapper.

It is noted that the above-identified errors were printing errors that apparently occurred during the printing process. Accordingly, it is believed that no fees are due in connection with the filing of this Request for Certificate of Correction. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. NIKOP029).

Respectfully submitted,  
BEYER WEAVER & THOMAS, LLP



Haruo Yawata  
Limited Recognition under 37 CFR § 10.9(b)

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JUN 16 2005



**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE  
UNITED STATES PATENT AND TRADEMARK OFFICE**

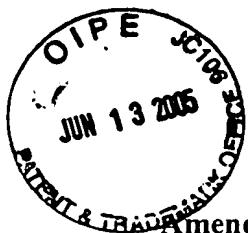
**LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)**

Mr. Haruo Yawata is hereby given limited recognition under 37 CFR § 10.9(b) as an employee of Beyer Weaver & Thomas, LLP to prepare and prosecute patent applications wherein the patent applicant is the client of Beyer Weaver & Thomas, LLP, and the attorney or agent of record in the applications is a registered practitioner who is a member of Beyer Weaver & Thomas, LLP. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Mr. Haruo Yawata ceases to lawfully reside in the United States, (ii) Mr. Haruo Yawata's employment with Beyer Weaver & Thomas, LLP ceases or is terminated, or (iii) Mr. Haruo Yawata ceases to remain or reside in the United States on an H-1 visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

**Expires: January 2, 2007**

**Harry I. Moatz  
Director of Enrollment and Discipline**



**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-4. (canceled)

5. (previously presented) An apparatus for providing support between a first structure and a second structure, comprising:

a first section having a first group of at least one magnetic frame member, the first section being coupled to the first structure; and

a second section having a second group of at least one magnetic frame member, the second section being coupled to the second structure,

wherein the first and second sections present magnetic force therebetween,

wherein the second group of at least one magnetic frame member is provided within the first group of at least one magnetic frame member,

wherein the first group of at least one magnetic frame member has a first direction of magnetic poles, the second group of at least one magnetic frame member has a second direction of magnetic poles, and the first direction is opposite to the second direction,

wherein the first section includes a first number of at least one magnetic frame member, the second section includes a second number of at least one magnetic frame member, and a difference between the first number and the second number is no more than 1, and

wherein the first number is more than 1, the second number is more than 1, a first pitch of the magnetic frame members included in the first group is smaller than a second pitch of the magnetic frame members included in the second group.

6. (original) The apparatus of claim 5, wherein a ratio of the second pitch to the first pitch is more than 1 and less than 1.5.

7. (canceled)

8. (previously presented) An apparatus for providing support between a first structure and a second structure, comprising:

a first section having a first group of at least one magnetic frame member, the first section being coupled to the first structure; and

a second section having a second group of at least one magnetic frame member, the second section being coupled to the second structure,

wherein the first and second sections present magnetic force therebetween,

wherein the second group of at least one magnetic frame member is provided within the first group of at least one magnetic frame member,

wherein the first group of at least one magnetic frame member has a first direction of magnetic poles, the second group of at least one magnetic frame member has a second direction of magnetic poles, and the first direction is opposite to the second direction,

wherein the first section has a third group of at least one magnetic core, and

wherein the third group of at least one magnetic core is provided within the second group of at least one magnetic frame member.

9. (original) The apparatus of claim 8, wherein the third group of at least one magnetic core has a third direction of magnetic poles, and the third direction is the same as the first direction.

10. (original) The apparatus of claim 9, wherein the first section includes a third number of at least one magnetic core, and the third number is the same as the first number.

11. (original) The apparatus of claim 10, wherein the third number is more than 1, a third pitch of the magnetic frame members included in the third group is smaller than a second pitch of the magnetic frame members included in the second group.

12. (original) The apparatus of claim 11, wherein a ratio of the second pitch to the third pitch is more than 1 and less than 1.5.

13. (original) The apparatus of claim 12, wherein the first, second and third numbers are 4, 3 and 4, respectively.

14-17. (canceled)

18. (previously presented) A method of providing support between a first structure and a second structure, comprising:

wherein the first group of at least one magnetic frame member has a first direction of magnetic poles, the second group of at least one magnetic frame member has a second direction of magnetic poles, and the first direction is opposite to the second direction,

wherein the first section has a third group of at least one magnetic core, and

wherein the third group of at least one magnetic core is provided within the second group of at least one magnetic frame member.

22. (original) The method of claim 21, wherein the third group of at least one magnetic core has a third direction of magnetic poles, and the third direction is the same as the first direction.

23. (original) The method of claim 22, wherein the first section includes a third number of at least one magnetic core, and the third number is the same as the first number.

24. (original) The method of claim 23, wherein the third number is more than 1, a third pitch of the magnetic frame members included in the third group is smaller than a second pitch of the magnetic frame members included in the second group.

25. (original) The method of claim 24, wherein a ratio of the second pitch to the third pitch is more than 1 and less than 1.5.

26. (original) The method of claim 25, wherein the first, second and third numbers are 4, 3 and 4, respectively.

27. (previously presented) A method for making an object using a lithography process, wherein the lithography process utilizes a method of providing support between a first structure and a second structure, the method including

coupling a first section to the first structure, the first section having a first group of at least one magnetic frame member; and

coupling a second section to the second structure, the second section having a second group of at least one magnetic frame member,

wherein the first and second sections present magnetic force therebetween.

28. (previously presented) A method for patterning a wafer using a lithography process, wherein the lithography process utilizes a method of providing support between a first structure and a second structure, the method including

coupling a first section to the first structure, the first section having a first group of at least one magnetic frame member; and

coupling a second section to the second structure, the second section having a second group of at least one magnetic frame member; wherein

the first and second sections present magnetic force therebetween.

29-31. (canceled)

32. (currently amended) An apparatus that supports a first structure relative to a second structure, comprising:

a first member that includes a first magnetic member having a magnetic pole; and

a second member that includes a cylindrical shell having a magnetic member;

wherein the direction of the magnetic pole of the first magnetic member is substantially parallel to a support direction of the first structure,

wherein a cross section of the first member cut by a plane perpendicular to the support direction has a circular outer periphery,

wherein the cylindrical shell surrounds at least an outer surface of a part of the first member,

wherein the first member and the second member present magnetic force therebetween, and

wherein one of the first member and the second member is connected to the first structure, and the other of the first member and the second member is connected to the second structure.

33. (previously presented) The apparatus of claim 32, wherein a shape of the first member is column.

34. (previously presented) The apparatus of claim 32, wherein the cylindrical shell includes a second magnetic member that has a magnetic pole.

35. (previously presented) The apparatus of claim 33, wherein the direction of the magnetic pole of the second magnetic member is substantially parallel to a support direction of the first structure.

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(Also Form PT-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,879,127 B2

DATED : April 12, 2005

INVENTOR(S) : Jean-Marc Gery

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

### In the Claims:

In line 8 of claim 1 (column 9, line 21) change "coupled w" to --coupled to--.

In line 19 of claim 3 (column 9, line 63) change "baa a third" to --has a third--.

In lines 23-24 of claim 11 (column 11, line 4) delete ", wherein the third group of at least one magnetic".

In line 9 of claim 19 (column 11, line 54) change "of die first" to --of the first--.

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PATENT NO. 6,879,127 B2

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JUN 16 2005